

The Mean

Reasoning and Problem Solving

The mean number of goals scored in 6 football matches was 4.
Use this information to calculate how many goals were scored in the 6th match:

Match number	Number of goals
1	8
2	4
3	6
4	2
5	1
6	

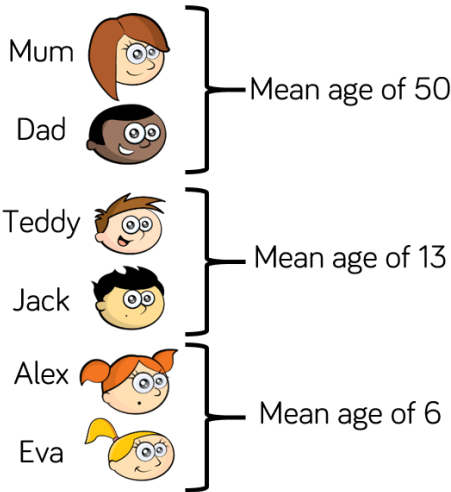
Three football teams each play 10 matches over a season. The mean number of goals scored by each team was 2.
How many goals might the teams have scored in each match?
How many solutions can you find?



As the mean is 4, the total must be $6 \times 4 = 24$.
The missing number of goals is 3

Any sets of 10 numbers that total 20 e.g.
2, 2, 2, 2, 2, 2, 2, 2, 2 and 2
3, 1, 4, 5, 3, 1, 3, 0, 0 and 0 etc.

Work out the age of each member of the family if:
Mum is 48 years old.
Teddy is 4 years older than Jack and 7 years older than Alex.



Calculate the mean age of the whole family.

Mum		48
Dad		52
Teddy		15
Jack		11
Alex		8
Eva		4

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